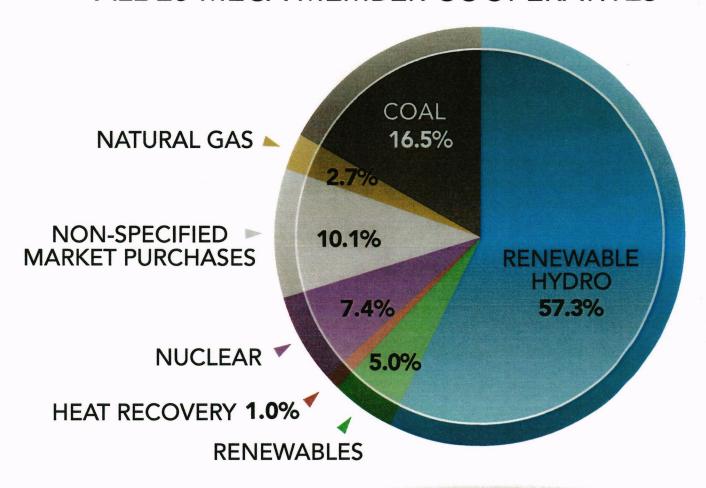
# **ENERGY MIX FOR 2019**

## **ALL 25 MECA MEMBER COOPERATIVES**



#### **CARBON FREE**



RENEWABLE

HYDRO





HEAT RECOVERY



NUCLEAR

## EITHER OR BOTH



NON-SPECIFIED MARKET PURCHASES

#### **CARBON BASED**



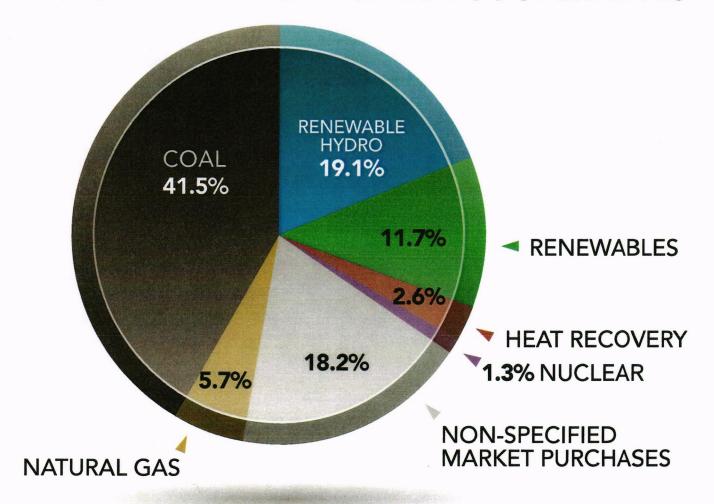


NATURAL GAS COAL

- \* Data is based on killowatt hours sold by all 25 Montana Electric Cooperatives' Association cooperatives in 2019
- \* All percentages are approximate energy mix changes daily depending on many factors.
- \* Percentages may not equal exactly 100% due to rounding.
- \* Non-specified market purchases are open-market and may include carbon-free and carbon-based energy.

# **ENERGY MIX FOR 2019**

# 17 EASTERN MECA MEMBER COOPERATIVES



#### **CARBON FREE**







HEAT RECOVERY



**NUCLEAR** 

### EITHER OR BOTH



NON-SPECIFIED MARKET PURCHASES

### **CARBON BASED**



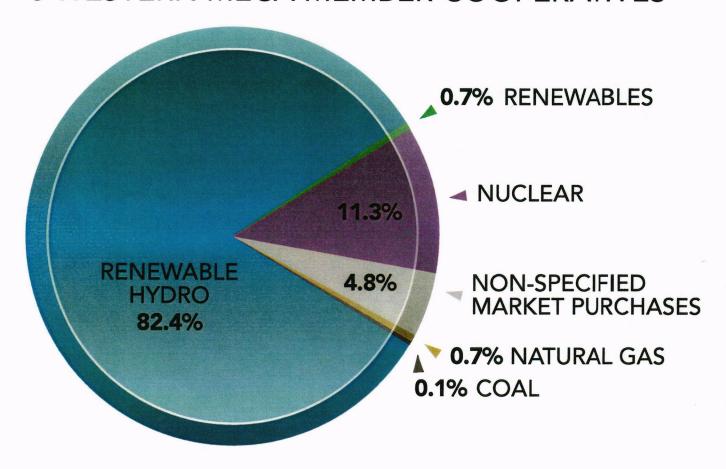


NATURAL GAS COAL

- \* Data is based on killowatt hours sold by 17 eastern Montana Electric Cooperatives' Association cooperatives in 2019
- \* All percentages are approximate energy mix changes daily depending on many factors.
- \* Percentages may not equal exactly 100% due to rounding.
- \* Non-specified market purchases are open-market and may include carbon-free and carbon-based energy.

# **ENERGY MIX FOR 2019**

## 8 WESTERN MECA MEMBER COOPERATIVES



#### **CARBON FREE**







HEAT RECOVERY



**NUCLEAR** 

## EITHER OR BOTH



NON-SPECIFIED MARKET PURCHASES

#### **CARBON BASED**





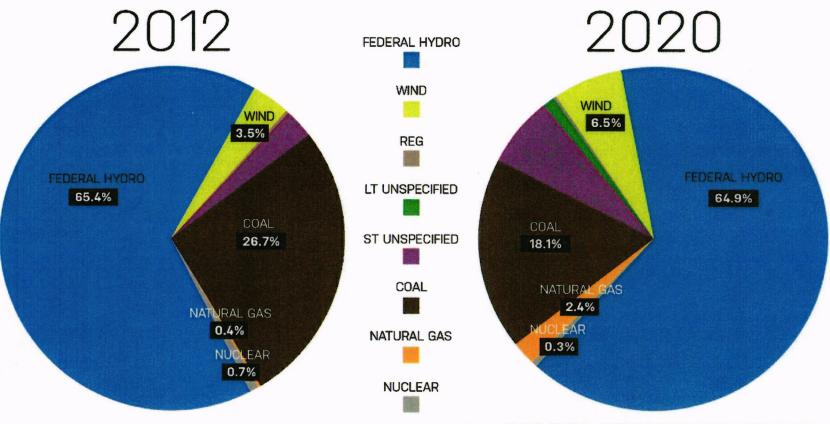
NATURAL GAS COAL

- \* Data is based on killowatt hours sold by western 8 Montana Electric Cooperatives' Association cooperatives in 2019
- \* All percentages are approximate energy mix changes daily depending on many factors.
- \* Percentages may not equal exactly 100% due to rounding.
- \* Non-specified market purchases are open-market and may include carbon-free and carbon-based energy.

## CLASS A CENTRAL MONTANA ELECTRIC POWER COOPERATIVE

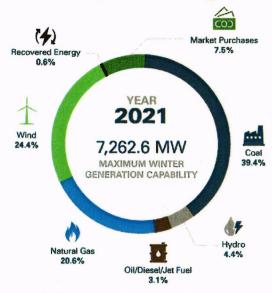
# ENERGY MIX

COMPARISON 2012 TO 2020



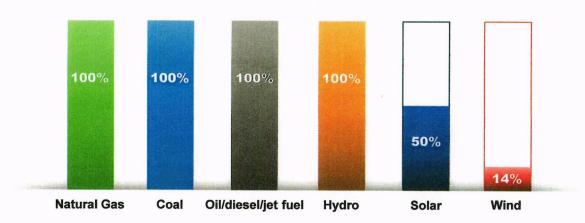
SOURCE: CENTRAL MONTANA ELECTRIC POWER COOPERATIVE INC.

# Basin Electric's Capability



\*capability represents name-plate generation
 \* hydro is winter name-plate generation

# Current Summer Accreditation Value (Capacity)



\*solar winter value approximately 10%
\*wind winter value approximately 25%

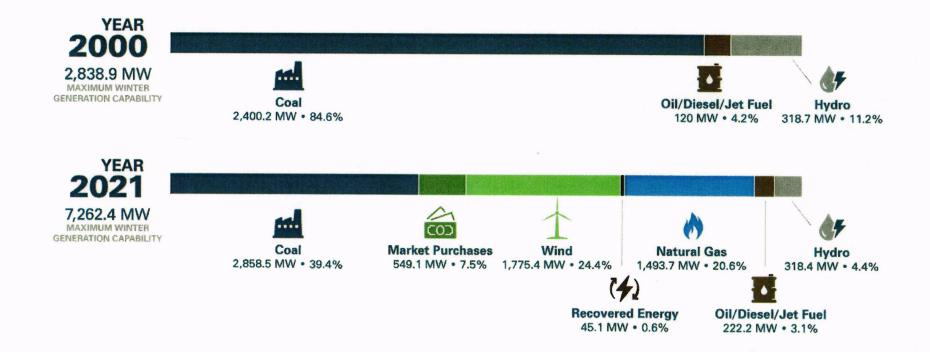
Currently, power markets require accredited capacity equal to 100% of summer peak load, losses, and 12% reserves.



\*As renewable penetration levels increase, renewable accreditations values will decline

# **Basin Electric's Diversified Winter Capability Portfolio**

This reflects our ability to serve our consumer-owners even on the coldest days.



# **Basin Electric's Evolving Resource Portfolio**

2000

Member Peak Demand 1,271 MW

Oil/diesel/jet fuel

4.2%

Capability
represents name-plate
generation

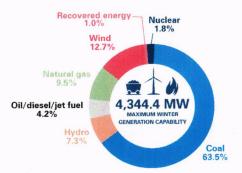
Capability

2,838.9 MW

MAXIMUM WINTER
GENERATION CAPABILITY

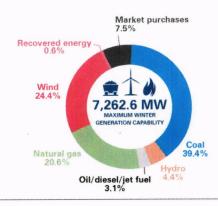
2010

Member Peak Demand 2,671 MW



2021

Member Peak Demand 4,242 MW



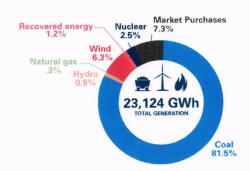
Energy



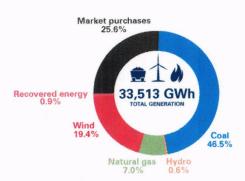


Coal

Member Sales 6,743,251 MWh



Member Sales 16,544,428 MWh



Member Sales 27,662,621 MWh